VAIDS-DSML exercise block 4

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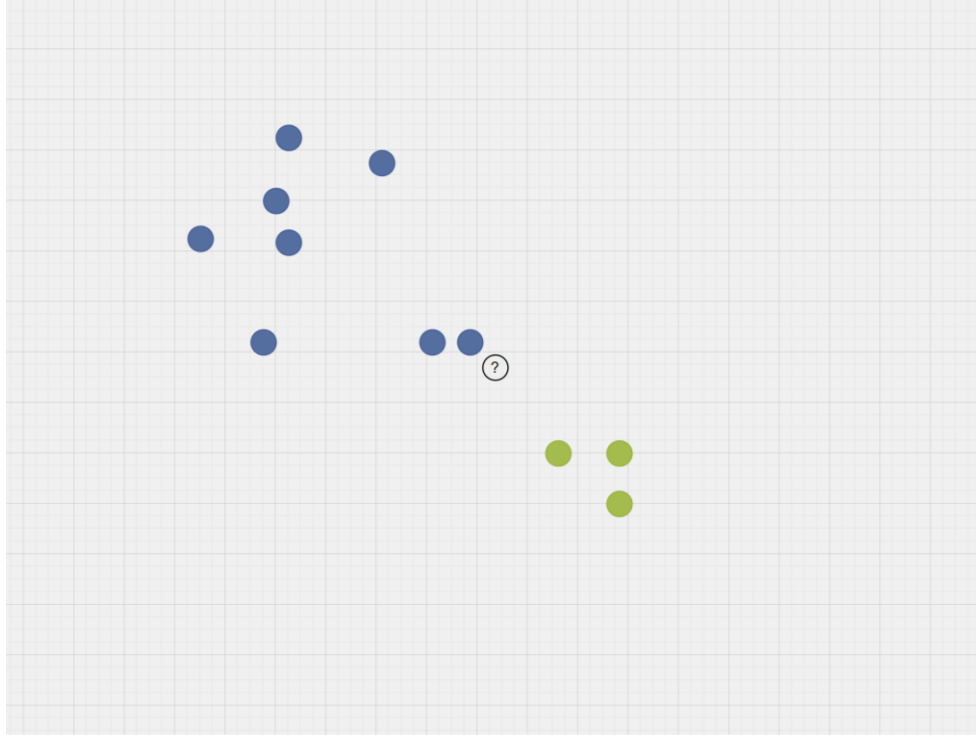WIEN

knn classification

- Problem

- we have 1372 samples of banknotes of which we know some features and whether they are real or counterfeit

- we have 5 samples of banknotes of which we know the same feature but **not** whether they are real or counterfeit
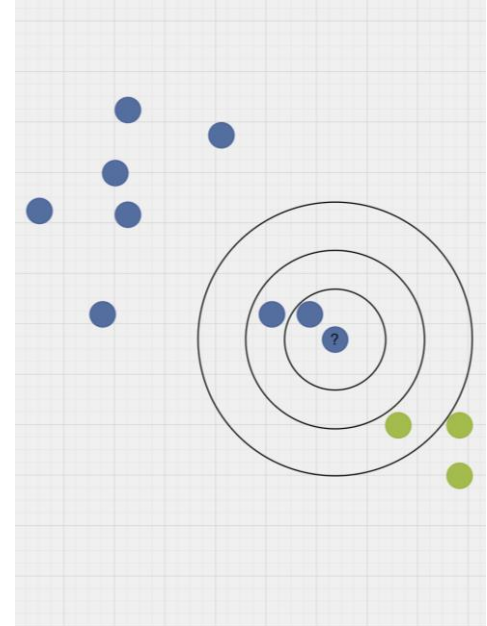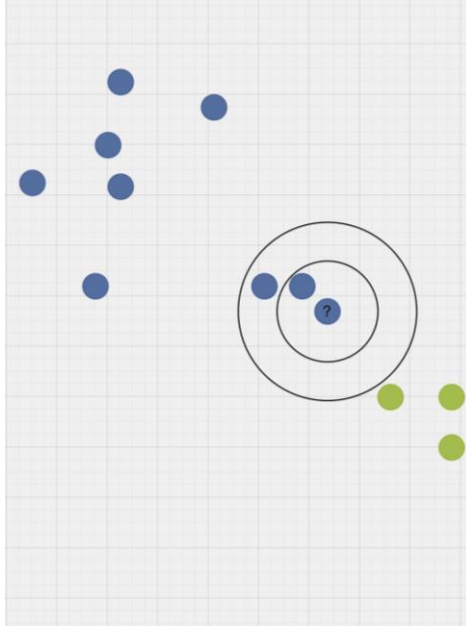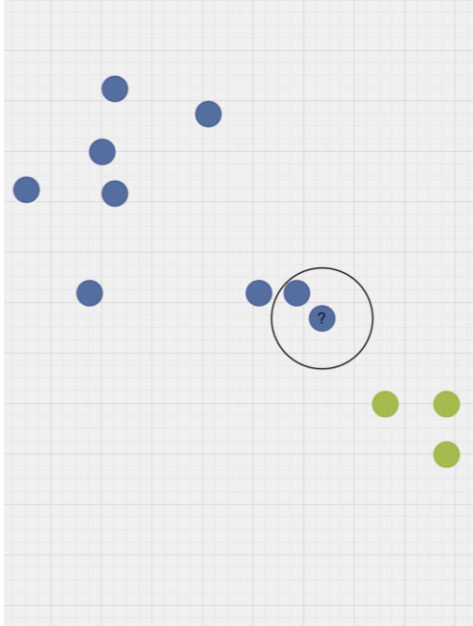
- Solution

- for each of the samples, calculate the Manhattan distance of its features to each known sample's features

- sort the results in an ascending order

- take a majority vote of the k closest known samples to classify the unknown samples
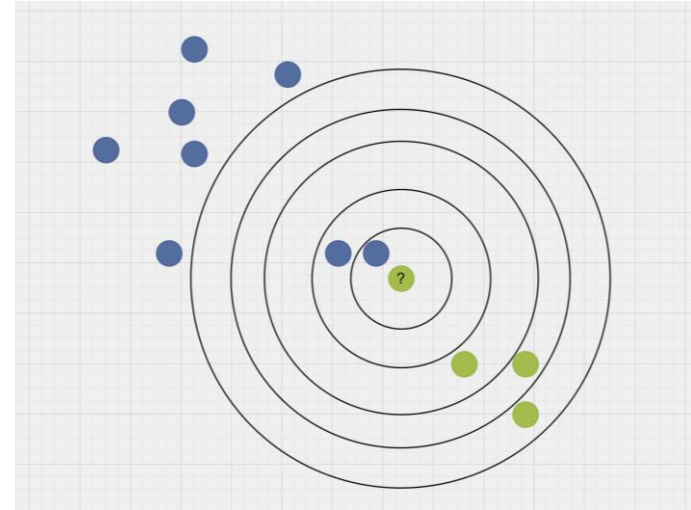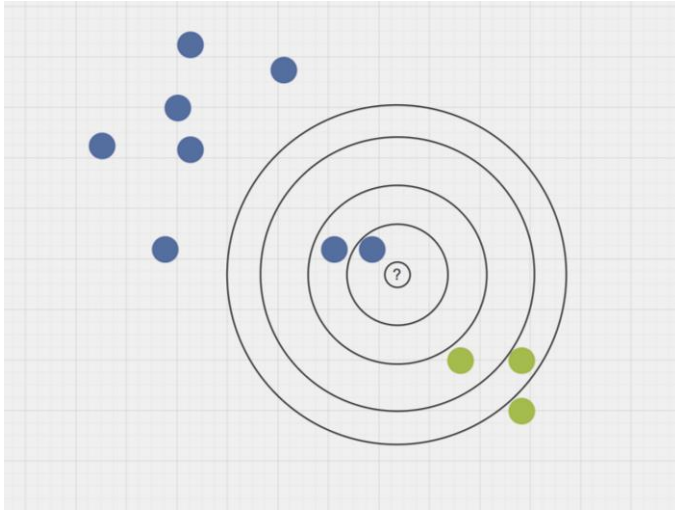
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